Author Index

Agoston, S., see Biessels, P.T.M. 392
Aliberti, L. Malaguti, see Severini, G. 344
Al-Mallah, N.R.
—, Bun, H., Coassolo, P., Aubert, C. and Cano, J.P.
Determination of the aromatic retinoids (etretin and isoetretin) in biological fluids by high-performance liquid chromatography 177
Andersson, L.
—, Sulkowski, E. and Porath, J.
Purification of commercial human albumin on immobilized IDA-Ni^{+2} 141
Aubert, C., see Al-Mallah, N.R. 177
Badcock, N.R.
— and Zoanetti, G.D.
Micro-determination of clobazam and N-desmethylclobazam in plasma or serum by electron-capture gas chromatography 147
Bagchi, S.P.
Single-step method for derivatization of dopamine and some related compounds in aqueous media for gas chromatography 227
Bailey, E.
—, Brooks, A.G.F., Purchase, R., Meakings, M., Davies, M. and Walters, D.G.
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary gas chromatography 21
Barbalas, M., see Rubio, F. 281
Bartek, M.J.
—, Vekshteyn, M., Boarman, M.P. and Gallo, D.G.
Liquid chromatographic determination of sotalol in plasma and urine employing solid-phase extraction and fluorescence detection 309
Bianchetti, G., see Ganansia, J. 83
Biessels, P.T.M.
—, Agoston, S. and Horn, A.S.
High-performance liquid chromatographic determination of 2,4-diaminopyridine in plasma and urine 392
Boarman, M.P., see Bartek, M.J. 309
Botterblom, M.H.A.
—, Janssen, T.J., Guelen, P.J.M. and Vree, T.B.
Rapid and sensitive determination of ambroxol in human plasma and urine by high-performance liquid chromatography 211
Boucly, P., see Tharasse-Bloch, C. 407
Brady, P.H., see Cornell, H.J. 61
Brewster, M.A., see Turley, C.P. 430
Brooks, A.G.F., see Bailey, E. 21
Bun, H., see Al-Mallah, N.R. 177
Burckart, G.J., see D'Souza, M.J. 198
Calvert, R.T., see Mehta, A.C. 377
Cano, J.P., see Al-Mallah, N.R. 177
Chabenat, C., see Tharasse-Bloch, C. 407
Chen, S., see Rubio, F. 281
Cheymol, G., see Poirier, J.M. 223
Chu, L.V., see Coutts, R.T. 267
Clavier, F., see Pussard, E. 192
Coassolo, P., see Al-Mallah, N.R. 177
Colburn, W.A., see Ferry, J.J. 187
Cometti, A., see Riva, E. 99
Cone, E.J., see Thompson, L.K. 91
Cornell, H.J.
— and Brady, P.H.
Application of preparative reversed-phase high-performance liquid chromatography to the isolation of insulin-like growth factor II from human serum 61
Coutts, R.T.
—, Torok-Both, G.A., Chu, L.V., Tam, Y.K. and Pasutto, F.M.
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined gas chromatography–mass spectrometry 267
Crews, T., see Rubio, F. 281
Cuisinaud, G., see Riva, E. 99
Dadgar, D.
— and Power, A.
Applications of column-switching techniques in biopharmaceutical analysis. II. High-performance liquid chromatographic determination of tripelennamine in bovine plasma and milk 216
Davies, M., see Bailey, E. 21
De Grazia, F., see Rubio, F. 281
Desta, B.
Separation of digoxin from dihydrodigoxin and the other metabolites by high-performance liquid chromatography with post-column derivatization 381
Deyman, M.E., see Kuhn, R.W. 123

Author Index

Agoston, S., see Biessels, P.T.M. 392
Aliberti, L. Malaguti, see Severini, G. 344
Al-Mallah, N.R.
—, Bun, H., Coassolo, P., Aubert, C. and Cano, J.P.
Determination of the aromatic retinoids (etretin and isoetretin) in biological fluids by high-performance liquid chromatography 177
Andersson, L.
—, Sulkowski, E. and Porath, J.
Purification of commercial human albumin on immobilized IDA-Ni^{+2} 141
Aubert, C., see Al-Mallah, N.R. 177
Badcock, N.R.
— and Zoanetti, G.D.
Micro-determination of clobazam and N-desmethylclobazam in plasma or serum by electron-capture gas chromatography 147
Bagchi, S.P.
Single-step method for derivatization of dopamine and some related compounds in aqueous media for gas chromatography 227
Bailey, E.
—, Brooks, A.G.F., Purchase, R., Meakings, M., Davies, M. and Walters, D.G.
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary gas chromatography 21
Barbalas, M., see Rubio, F. 281
Bartek, M.J.
—, Vekshteyn, M., Boarman, M.P. and Gallo, D.G.
Liquid chromatographic determination of sotalol in plasma and urine employing solid-phase extraction and fluorescence detection 309
Bianchetti, G., see Ganansia, J. 83
Biessels, P.T.M.
—, Agoston, S. and Horn, A.S.
High-performance liquid chromatographic determination of 2,4-diaminopyridine in plasma and urine 392
Boarman, M.P., see Bartek, M.J. 309
Botterblom, M.H.A.
—, Janssen, T.J., Guelen, P.J.M. and Vree, T.B.
Rapid and sensitive determination of ambroxol in human plasma and urine by high-performance liquid chromatography 211
Boucly, P., see Tharasse-Bloch, C. 407
Brady, P.H., see Cornell, H.J. 61
Brewster, M.A., see Turley, C.P. 430
Brooks, A.G.F., see Bailey, E. 21
Bun, H., see Al-Mallah, N.R. 177
Burckart, G.J., see D'Souza, M.J. 198
Calvert, R.T., see Mehta, A.C. 377
Cano, J.P., see Al-Mallah, N.R. 177
Chabenat, C., see Tharasse-Bloch, C. 407
Chen, S., see Rubio, F. 281
Cheymol, G., see Poirier, J.M. 223
Chu, L.V., see Coutts, R.T. 267
Clavier, F., see Pussard, E. 192
Coassolo, P., see Al-Mallah, N.R. 177
Colburn, W.A., see Ferry, J.J. 187
Cometti, A., see Riva, E. 99
Cone, E.J., see Thompson, L.K. 91
Cornell, H.J.
— and Brady, P.H.
Application of preparative reversed-phase high-performance liquid chromatography to the isolation of insulin-like growth factor II from human serum 61
Coutts, R.T.
—, Torok-Both, G.A., Chu, L.V., Tam, Y.K. and Pasutto, F.M.
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined gas chromatography–mass spectrometry 267
Crews, T., see Rubio, F. 281
Cuisinaud, G., see Riva, E. 99
Dadgar, D.
— and Power, A.
Applications of column-switching techniques in biopharmaceutical analysis. II. High-performance liquid chromatographic determination of tripelennamine in bovine plasma and milk 216
Davies, M., see Bailey, E. 21
De Grazia, F., see Rubio, F. 281
Desta, B.
Separation of digoxin from dihydrodigoxin and the other metabolites by high-performance liquid chromatography with post-column derivatization 381
Deyman, M.E., see Kuhn, R.W. 123

D'Souza, M.J.
— , Zematis, M.A., Burckart, G.J. and Venkataramanan, R.
Simple high-performance liquid chromatographic method for simultaneous determination of aminopyrine and its metabolites 198
Easton-Taylor, M., see Ferry, J.J. 187
Ebinger, G., see Herregodts, P. 51
Efthymiopoulos, C.
— , Staveris, S., Weber, F., Koffel, J.C. and Jung, L.
Simultaneous quantitative determination of tertatolol and its hydroxylated metabolite in human plasma and urine by gas chromatography–mass spectrometry 360
Emilsson, H.
High-performance liquid chromatographic determination of glipizide in human plasma and urine 319
Fainaru, M., see Knobler, H. 136
Ferry, J.J.
— , Horvath, A.M., Easton-Taylor, M., Toothaker, R.D. and Colburn, W.A.
Determination of quinapril and its active metabolite in human plasma and urine by gas chromatography with electron-capture detection 187
Ferry, N., see Riva, E. 99
Flamini, G.
— , Ria, F. and Scuderi, F.
Size-exclusion high-performance liquid chromatography of immune complexes isolated from patients with acute leukaemia. Preliminary observations 434
Fujimaki, Y.
— , Hakusui, H. and Takegoshi, T.
Quantitative analysis of bundralazine in human plasma and urine by gas chromatography–mass spectrometry 367
Gallo, D.G., see Bartek, M.J. 309
Gallo, G.G., see Riva, E. 99
Ganansia, J.
— , Bianchetti, G. and Thénot, J.P.
Correlation between reversed-phase high-performance liquid chromatography and plasma protein binding 83
Garland, W.A., see Rubio, F. 281
Gerber, G., see Werner, A. 257
Grazia, F. De, see Rubio, F. 281
Grynspan, F., see Young, P.R. 130
Guelen, P.J.M., see Botterblom, M.H.A. 211
Hakusui, H., see Fujimaki, Y. 367
Herregodts, P.
— , Michotte, Y. and Ebinger, G.
Combined ion-pair extraction and high-performance liquid chromatography for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Hiwada, K., see Takada, Y. 350
Hoffman, N.E., see Rustum, A.M. 387, 418
Hoffmann, G.
— and Sweetman, L.
O-(2,3,4,5,6-Pentafluorobenzyl)oxime-trimethylsilyl ester derivatives for quantitative gas chromatographic and gas chromatographic–mass spectrometric studies of aldehydes, ketones and oxoacids 336
Horn, A.S., see Biessels, P.T.M. 392
Horvath, A.M., see Ferry, J.J. 187
Imamura, Y., see Shibanoki, S. 425
Ishida, T., see Kumagai, Y. 155
Ishikawa, K., see Shibanoki, S. 425
Itoh, T., see Shibanoki, S. 425
Iwata, T.
— , Yamaguchi, M. and Nakamura, M.
Highly sensitive and simple determination of cholesterol and cholestanol in human serum by high-performance liquid chromatography with fluorescence detection 43
Jandke, J.
— and Spiteller, G.
Unusual conjugates in biological profiles originating from consumption of onions and garlic 1
Janssen, T.J., see Botterblom, M.H.A. 211
Jung, L., see Efthymiopoulos, C. 360
Kai, M., see Ohno, M. 245
Kamohara, K., see Yoshikawa, S. 111
Kanamori, N., see Yamaji, A. 372
Kaspersen, F.M., see Paanakker, J.E. 327
Kataoka, K., see Yamaji, A. 372
Kehrer, J.P., see Murphy, M.E. 71
Kimura, S., see Utsumi, J. 355
Knobler, H.
— , Fainaru, M. and Sklan, D.
Single-stage evaluation of serum lipoproteins by gel permeation using a specific fluorescent lipid probe 136
Kobayashi, A., see Sugita, S. 412
Koffel, J.C., see Efthymiopoulos, C. 360
Kokubu, T., see Takada, Y. 350
Kuhn, R.W.
— and Deyman, M.E.
Simultaneous quantification of natural glucocorticoids and progestins in serum 123

Kumagai, Y.
— , Ishida, T. and Toki, S.
Method for determination of morphinone in urine and bile of guinea pig by high-performance liquid chromatography 155
Kurosawa, T., see Tohma, M. 9
Leahey, W.J.
— and McMeekin, J.R.
Determination of cyclopenthiazide in plasma by high-performance liquid chromatography 401
Lee, M.-K.
— , Nohta, H. and Ohkura, Y.
Assay for dopamine β-hydroxylase in human plasma and rat serum by high-performance liquid chromatography with fluorimetric detection 237
McMeekin, J.R., see Leahey, W.J. 401
Maeda, O., see Yoshikawa, S. 111
Mahara, R., see Tohma, M. 9
Makino, I., see Tohma, M. 9
Malaguti Aliberti, L., see Severini, G. 344
Marchand, J., see Tharasse-Bloch, C. 407
Matsuda, S., see Utsumi, J. 355
Meakings, M., see Bailey, E. 21
Mehta, A.C.
— and Calvert, R.T.
Determination of ifosfamide in plasma by gas chromatography with nitrogen detector 377
Michotte, Y., see Herregodts, P. 51
Mimaki, T., see Yamaji, A. 372
Miwa, H.
— and Yamamoto, M.
High-performance liquid chromatographic analysis of serum short-chain fatty acids by direct derivatization 33
Murphy, M.E.
— and Kehrer, J.P.
Simultaneous measurements of tocopherols and tocopheryl quinones in tissue fractions using high-performance liquid chromatography with redox-cycling electrochemical detection 71
Mutschler, E., see Pflugmann, G. 161
Nakamura, M., see Iwata, T. 43
Nakazawa, K., see Sugita, S. 412
Noda, Y., see Shibanoki, S. 425
Nohta, H., see Lee, M.-K. 237
Ohe, T., see Yoshikawa, S. 111
Ohkura, Y., see Lee, M.-K. 237
—, see Ohno, M. 245
Ohno, M.
— , Kai, M. and Ohkura, Y.
On-line post-column fluorescence detection for N-terminal tyrosine-containing peptides in high-performance liquid chromatography 245
Oishi, M., see Yamaji, A. 372
Okuda, S., see Yoshikawa, S. 111
Oliw, E.H.
Chromatography of prostaglandins on β-cyclodextrin silica: application to analysis of major E prostaglandins in human seminal fluid 117
Paanakker, J.E.
— ,Thio, J.M.S.L., Van den Wildenberg, H.M. and Kaspersen F.M.
Assay of vecuronium in plasma using solid-phase extraction, high-performance liquid chromatography and post-column ion-pair extraction with fluorimetric detection 327
Pang, K.S., see St-Pierre, M.V. 291
Pasutto, F.M., see Coutts, R.T. 267
Perez, M., see Poirier, J.M. 223
Pflugmann, G.
— , Spahn, H. and Mutschler, E.
Determination of metoprolol enantiomers in plasma and urine using (*S*)-(−)-phenylethylisocyanate as a chiral reagent 161
Pimenov, A.M., see Werner, A. 257
Platt, D., see Rieck, W. 206
Plummer, G.F.
Improved method for the determination of propofol in blood by high-performance liquid chromatography with fluorescence detection 171
Poirier, J.M.
— , Perez, M. and Cheymol, G.
High-performance liquid chromatographic determination of gliclazide in human plasma 223
Porath, J., see Andersson, L. 141
Power, A., see Dadgar, D. 216
Purchase, R., see Bailey, E. 21
Pussard, E.
— , Clavier, F. and Verdier, F.
Liquid chromatographic determination of amopyroquine in rabbit plasma and red blood cells 192
Rahman, A., see Rustum, A.M. 418
Rapoport, I., see Werner, A. 257
Ria, F., see Flamini, G. 434
Rieck, W.
— and Platt, D.
Determination of 2-(5-benzoyl-2-thienyl)propionic acid (tiaprofenic acid) in the plasma of elderly patients with multiple diseases using high-performance liquid chromatography 206

Riva, E.
— , Ferry, N., Cometti, A., Cuisinaud, G., Gallo, G.G. and Sassard, J.
Determination of teicoplanin in human plasma and urine by affinity and reversed-phase high-performance liquid chromatography 99
Rubio, F.
— , Chen, S., Crews, T., De Grazia, F., Garland, W.A. and Barbalas, M.
Determination of 6-(2′-chlorophenyl)-4-hydroxy-4*H*-imidazo[1,5-*a*][1,4] benzodiazepine-3-carboxamide, a mixed agonist-antagonist anxiolytic agent, in human plasma and urine by gas chromatography–negative-ion chemical-ionization mass spectrometry 281
Rustum, A.M.
— and Hoffman, N.E.
High-performance liquid chromatographic determination of 5-azacytidine in plasma 387
— , Rahman, A. and Hoffman, N.E.
High-performance liquid chromatographic determination of ranitidine in whole blood and plasma by using a short polymeric column 418
Rutledge, D.R.
Rapid high-performance liquid chromatographic method for the measurement of gallopamil in plasma 165
Sassard, J., see Riva, E. 99
Sawada, T., see Yoshikawa, S. 111
Schmidt, H., see Werner, A. 257
Scuderi, F., see Flamini, G. 434
Severini, G.
— and Malaguti Aliberti, L.
Biochemical indices of renal damage: separation of urinary alanine aminopeptidase by liquid chromatography 344
Shibanoki, S.
— , Imamura, Y., Itoh, T., Ishikawa, K., Noda, Y., Yazaki, S. and Suzuki, H.
Application of high-performance liquid chromatography with electrochemical detection for monitoring the concentration of pentazocine in human blood 425
Shimizu, H., see Utsumi, J. 355
Siems, W., see Werner, A. 257
Sklan, D., see Knobler, H. 136
Spahn, H., see Pflugmann, G. 161
Spiteller, G., see Jandke, J. 1
Staveris, S., see Efthymiopoulos, C. 360
St-Pierre, M.V.
— and Pang, K.S.
Determination of diazepam and its metabolites by high-performance liquid chromatography and thin-layer chromatography 291
Sugita, S.
— , Kobayashi, A., Suzuki, S., Yoshida, T. and Nakazawa, K.
High-performance liquid chromatographic determination of imipramine and its metabolites in rat brain 412
Sulkowski, E., see Andersson, L. 141
Suzuki, H., see Shibanoki, S. 425
Suzuki, S., see Sugita, S. 412
Sweetman, L., see Hoffmann, G. 336
Tagawa, T., see Yamaji, A. 372
Takada, Y.
— , Hiwada, K. and Kokubu, T.
Purification of human renin by renin inhibitor (ES-305) affinity chromatography 350
Takegoshi, T., see Fujimaki, Y. 367
Takeshita, H., see Tohma, M. 9
Tam, Y.K., see Coutts, R.T. 267
Tencheva, J.
— , Yamboliev, I. and Zhivkova, Z.
Reversed-phase liquid chromatography for the determination of galanthamine and its metabolites in human plasma and urine 396
Tharasse-Bloch, C.
— , Chabenat, C., Boucly, P. and Marchand, J.
Determination of ambenonium chloride in serum by reversed-phase ion-pair liquid chromatography 407
Thénot, J.P., see Ganansia, J. 83
Thio, J.M.S.L., see Paanakker, J.E. 327
Thompson, L.K
— and Cone, E.J.
Determination of Δ^9-tetrahydrocannabinol in human blood and saliva by high-performance liquid chromatography with amperometric detection 91
Tikhonov, Y.V., see Werner, A. 257
Toguzov, R.T., see Werner, A. 257
Tohma, M.
— , Takeshita, H., Mahara, R., Kurosawa, T. and Makino, I.
Determination of 3β,12α-dihydroxy-5-cholen-24-oic acid and related bile acids in human serum by gas chromatography–mass spectrometry 9

Toki, S., see Kumagai, Y. 155
Toothaker, R.D., see Ferry, J.J. 187
Torok-Both, G.A., see Coutts, R.T. 267
Turley, C.P.
— and Brewster, M.A.
Liquid chromatographic analysis of cyclotrimethylenetrinitramine in biological fluids using solid-phase extraction 430
Utsumi, J.
— , Kimura, S., Matsuda, S. and Shimizu, H.
Purification of murine macrophage colony-stimulating factor using hydroxyapatite high-performance liquid chromatography in the presence of sodium dodecyl sulphate 355
Van den Wildenberg, H.M., see Paanakker, J.E. 327
Vekshteyn, M., see Bartek, M.J. 309
Venkataramanan, R., see D'Souza, M.J. 198
Verdier, F., see Pussard, E. 192
Vree, T.B., see Botterblom, M.H.A. 211
Walters, D.G., see Bailey, E. 21
Weber, F., see Efthymiopoulos, C. 360
Werner, A.
— , Siems, W., Schmidt, H., Rapoport, I., Gerber, G., Toguzov, R.T., Tikhonov, Y.V. and Pimenov, A.M.
Determination of nucleotides, nucleosides and nucleobases in cells of different complexity by reversed-phase and ion-pair high-performance liquid chromatography 257
Wildenberg, H.M. van den, see Paanakker, J.E. 327
Yamaguchi, M., see Iwata, T. 43
Yamaji, A.
— , Kataoka, K., Oishi, M., Kanamori, N., Tagawa, T. and Mimaki, T.
Simple method for determination of flunarizine in serum by gas chromatography 372
Yamamoto, M., see Miwa, H. 33
Yamboliev, I., see Tencheva, J. 396
Yazaki, S., see Shibanoki, S. 425
Yoshida, T., see Sugita, S. 412
Yoshikawa, S.
— , Okuda, S., Ohe, T., Kamohara, K., Maeda, O. and Sawada, T.
Liquid chromatographic determination of vanillylmandelic acid and homovanillic acid by a column-switching technique involving direct injection of urine 111
Young, P.R.
— and Grynspan, F.
Analysis of methylated amino acids by high-performance liquid chromatography: methylation of myelin basic protein 130
Zematis, M.A., see D'Souza, M.J. 198
Zhivkova, Z., see Tencheva, J. 396
Zoanetti, G.D., see Badcock, N.R. 147

Subject Index

N-Acetyl-S-allylcysteine
Unusual conjugates in biological profiles originating from consumption of onions and garlic 1

N-Acetyl-S-(2-carboxypropyl)cysteine
Unusual conjugates in biological profiles originating from consumption of onions and garlic 1

Alanine aminopeptidase
Biochemical indices of renal damage: separation of urinary alanine aminopeptidase by LC 344

Albumin
Purification of commercial human albumin on immobilized IDA-Ni^{2+} 141

Aldehydes
O-(2,3,4,5,6-Pentafluorobenzyl)oxime-trimethylsilyl ester derivatives for quantitative GC and GC–MS studies of aldehydes, ketones and oxoacids 336

Alpidem
Correlation between reversed-phase HPLC and plasma protein binding 83

Ambenonium chloride
Determination of ambenonium chloride in serum by reversed-phase ion-pair LC 407

Ambroxol
Rapid and sensitive determination of ambroxol in human plasma and urine by HPLC 211

Amines, biogenic
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51

Amino acids, methylated
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130

4-Aminoantipyrine
Simple HPLC method for simultaneous determination of aminopyrine and its metabolites 198

Aminopyrine
Simple HPLC method for simultaneous determination of aminopyrine and its metabolites 198

Amopyroquine
LC determination of amopyroquine in rabbit plasma and red blood cells 192

5-Azacytidine
HPLC determination of 5-azacytidine in plasma 387

Benzodiazepines
Micro-determination of clobazam and N-desmethylclobazam in plasma or serum by electron-capture GC 147

2-(5-Benzoyl-2-thienyl)propionic acid
Determination of 2-(5-benzoyl-2-thienyl)propionic acid (tiaprofenic acid) in the plasma of elderly patients with multiple diseases using HPLC 206

Betaxolol
Correlation between reversed-phase HPLC and plasma protein binding 83

Bile acids
Determination of 3β,12α-dihydroxy-5-cholen-24-oic acid and related bile acids in human serum by GC–MS 9

Bile acids
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21

Budralazine
Quantitative analysis of budralazine in human plasma and urine by GC–MS 367

Catecholamines
LC determination of vanillylmandelic acid and homovanillic acid by a column-switching technique involving direct injection of urine 111

Catecholamines
Single-step method for derivatization of dopamine and some related compounds in aqueous media for GC 227

6-(2′-Chlorophenyl)-4-hydroxy-4*H*-imidazo-[1,5-*a*][1,4] benzodiazepine-3-carboxamide
Determination of 6-(2′-chlorophenyl)-4-hydroxy-4*H*-imidazo [1,5-*a*][1,4]benzodiazepin-3-carboxamide, a mixed agonist–antagonist anxiolytic agent, in human plasma and urine by GC–negative-ion chemical -ionization MS 281

Cholestanol
Highly sensitive and simple determination of cholesterol and cholestanol in human serum by HPLC with fluorescence detection 43

5β-Cholestan-3β-ol
Improved method for the determination of

the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21

Cholesterol
Highly sensitive and simple determination of cholesterol and cholestanol in human serum by HPLC with fluorescence detection 43

Cholesterol
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21

Clobazam
Micro-determination of clobazam and N-desmethylclobazam in plasma or serum by electron-capture GC 147

Cyclopenthiazide
Determination of cyclopenthiazide in plasma by HPLC 401

Cyclotrimethylenetrinitramine
LC analysis of cyclotrimethylenetrinitramine in biological fluids using solid-phase extraction 430

Deoxycholic acid
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21

Desipramine
HPLC determination of imipramine and its metabolites in rat brain 412

N-Desmethylclobazam
Micro-determination of clobazam and N-desmethylclobazam in plasma or serum by electron-capture GC 147

N-Desmethyldiazepam
Determination of diazepam and its metabolites by HPLC and TLC 291

2,4-Diaminopyridine
HPLC determination of 2,4-diaminopyridine in plasma and urine 392

Diazepam
Determination of diazepam and its metabolites by HPLC and TLC 291

Digoxigenin
Separation of digoxin from dihydrodigoxin and the other metabolites by HPLC with post-column derivatization 381

Digoxigenin bisdigitoxoside
Separation of digoxin from dihydrodigoxin and the other metabolites by HPLC with post-column derivatization 381

Digoxigenin monodigitoxoside
Separation of digoxin from dihydrodigoxin and the other metabolites by HPLC with post-column derivatization 381

Digoxin
Separation of digoxin from dihydrodigoxin and the other metabolites by HPLC with post-column derivatization 381

Dihydrodigoxin
Separation of digoxin from dihydrodigoxin and the other metabolites by HPLC with post-column derivatization 381

3β,12α-Dihydroxy-5-cholen-24-oic acid
Determination of 3β,12α-dihydroxy-5-cholen-24-oic acid and related bile acids in human serum by GC–MS 9

3,4-Dihydroxyphenylacetic acid
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51

3,4-Dihydroxyphenylacetic acid
Single-step method for derivatization of dopamine and some related compounds in aqueous media for GC 227

Dimethylarginines
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130

Dopamine
Assay for dopamine β-hydroxylase in human plasma and rat serum by HPLC with fluorimetric detection 237

Dopamine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51

Dopamine
Single-step method for derivatization of dopamine and some related compounds in aqueous media for GC 227

Dopamine β-hydroxylase
Assay for dopamine β-hydroxylase in human plasma and rat serum by HPLC with fluorimetic detection 237

Eicosanoids
Chromatography of B prostaglandins on β-cyclodextrin silica: application to analysis of major E prostaglandins in human seminal fluid 117

Enkephalins
On-line post-column fluorescence detection for N-terminal tyrosine-containing peptides in HPLC 245

Enzymes
Assay for dopamine β-hydroxylase in human plasma and rat serum by HPLC with fluorimetric detection 237
Enzymes
Biochemical indices of renal damage: separation of urinary alanine aminopeptidase by LC 344
Enzymes
Purification of human renin by renin inhibitor (ES-305) affinity chromatography 350
Epigalanthamine
Reversed-phase LC for the determination of galanthamine and its metabolites in human plasma and urine 396
Epinephrine
Assay for dopamine β-hydroxylase in human plasma and rat serum by HPLC with fluorimetric detection 237
Epinephrine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
N-(N-Ethylglycyl)-2,6-xylidine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267
Etretin
Determination of the aromatic retinoids (etretin and isoetretin) in biological fluids by HPLC 177
Fatty acids
HPLC analysis of serum short-chain fatty acids by direct derivatization 33
Flunarizine
Simple method for determination of flunarizine in serum by GC 372
4-Formylaminoantipyrine
Simple HPLC method for simultaneous determination of aminopyrine and its metabolites 198
Galanthamine
Reversed-phase LC for the determination of galanthamine and its metabolites in human plasma and urine 396
Galanthaminone
Reversed-phase LC for the determination of galanthamine and its metabolites in human plasma and urine 396
Gallopamil
Rapid HPLC method for the measurement of gallopamil in plasma 165
Gliclazide
HPLC determination of gliclazide in human plasma 223
Glipizide
HPLC determination of glipizide in human plasma and urine 319
Glucocorticoids
Simultaneous quantification of natural glucocorticoids and progestins in serum 123
Glycopeptide antibiotics
Determination of teicoplanin in human plasma and urine by affinity and reversed-phase HPLC 99
N-Glycyl-2,6-xylidine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267
Hexahydrohippuric acid
Unusual conjugates in biological profiles originating from consumption of onions and garlic 1
High-density lipoproteins
Single-stage evaluation of serum lipoproteins by gel permeation using a specific fluorescent lipid probe 136
Homovanillic acid
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Homovanillic acid
LC determination of vanillylmandelic acid and homovanillic acid by a column-switching technique involving direct injection of urine 111
Human serum albumin
Purification of commercial human albumin on immobilized IDA-Ni^{2+} 141
2-Hydroxydesipramine
HPLC determination of imipramine and its metabilites in rat brain 412
4′-Hydroxy-N-desmethyldiazepam
Determination of diazepam and its metabolites by HPLC and TLC 291
4′-Hydroxydiazepam
Determination of diazepam and its metabolites by HPLC and TLC 291
3-Hydroxy-N-(N-ethylglycyl)-2,6-xylidine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267

2-Hydroxyimipramine
HPLC determination of imipramine and its metabolites in rat brain 412
5-Hydroxyindoleacetic acid
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
3-Hydroxylidocaine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267
4-Hydroxytertatolol
Simultaneous quantitative determination of tertatolol and its hydroxylated metabolite in human plasma and urine by GC–MS 360
4-Hydroxy-2,6-xylidine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267
Ifosfamide
Determination of ifosfamide in plasma by GC with nitrogen detector 377
Imipramine
HPLC determination of imipramine and its metabolites in rat brain 412
Immunoglobulin G
Size-exlcusion HPLC of immune complexes isolated from patients with acute leukaemia. Preliminary observations 434
Insulin-like growth factor II
Application of preparative reversed-phase HPLC to the isolation of insulin-like growth factor II from human serum 61
Isoetretin
Determination of the aromatic retinoids (etretin and isoetretin) in biological fluids by HPLC 177
Ketones
O-(2,3,4,5,6-Pentafluorobenzyl)oxime-trimethylsilyl ester derivatives for quantitative GC and GC–MS studies of aldehydes, ketones and oxoacids 336
Lidocaine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267
Lipoproteins
Single-stage evaluation of serum lipoproteins by gel permeation using a specific fluorescent lipid probe 136
Lithocholic acid
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21
Low-density lipoproteins
Single-stage evaluation of serum lipoproteins by gel permeation using a specific fluorescent lipid probe 136
Macrophage colony-stimulating factor
Purification of murine macrophage colony-stimulating factor using hydroxyapatite HPLC in the presence of sodium dodecyl sulphate 355
Metanephrine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Methionine–enkephalin
On-line post-column fluorescence detection for N-terminal tyrosine-containing peptides in HPLC 245
3-Methoxy-4-hydroxyphenylethylene glycol
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
3-Methoxytyramine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Methylhistidine
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130
Metoprolol
Correlation between reversed-phase HPLC and plasma protein binding 83
Metoprolol
Determination of metoprolol enantiomers in plasma and urine using (*S*)-(−)-phenylethyl isocyanate as a chiral reagent 161
4-Monomethylaminoantipyrine
Simple HPLC method for simultaneous determination of aminopyrine and its metabolites 198
Monomethylarginine
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130
Monomethyllysine
Analysis of methylated amino acids by

HPLC: methylation of myelin basic protein 130
Morphinone
Method for determination of morphinone in urine and bile of guinea pig by HPLC 155
Myelin basic protein
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130
Norepinephrine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Normetanephrine
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Nucleobases
Determination of nucleotides, nucleosides and nucleobases in cells of different complexity by reversed-phase and ion-pair HPLC 257
Nucleosides
Determination of nucleotides, nucleosides and nucleobases in cells of different complexity by reversed-phase and ion-pair HPLC 257
Nucleotides
Determination of nucleotides, nucleosides and nucleobases in cells of different complexity by reversed-phase and ion-pair HPLC 257
Oxazepam
Determination of diazepam and its metabolites by HPLC and TLC 291
Oxoacids
O-(2,3,4,5,6-Pentafluorobenzyl)oxime-trimethylsilyl ester derivatives for quantitative GC and GC–MS studies of aldehydes, ketones and oxoacids 336
Pentazocine
Application of HPLC with electrochemical detection for monitoring the concentration of pentazocine in human blood 425
Peptides
Application of preparative reversed-phase HPLC to the isolation of insulin-like growth factor II from human serum 61
Peptides
On-line post-column fluorescence detection for N-terminal tyrosine-containing peptides in HPLC 245
(*S*)-(−)-Phenylethylisocyanate
Determination of metoprolol enantiomers in plasma and urine using (*S*)-(−)-phenylethyl isocyanate as a chiral reagent 161
Polypeptides
Application of preparative reversed-phase HPLC to the isolation of insulin-like growth factor II from human serum 61
Progestins
Simultaneous quantification of natural glucocorticoids and progestins in serum 123
Propofol
Improved method for the determination of propofol in blood by HPLC with fluorescence detection 171
Prostaglandins
Chromatography of B prostaglandins on β-cyclodextrin silica: application to analysis of major E prostaglandins in human seminal fluid 117
Quinapril
Determination of quinapril and its active metabolite in human plasma and urine by GC with electron-capture detection 187
Ranitidine
HPLC determination of ranitidine in whole blood and plasma by using a short polymeric column 418
RDX
LC analysis of cyclotrimethylenetrinitramine in biological fluids using solid-phase extraction 430
Renin
Purification of human renin by renin inhibitor (ES-305) affinity chromatography 350
Retinoids, aromatic
Determination of the aromatic retinoids (etretin and isoetretin) in biological fluids by HPLC 177
Serotonin
Combined ion-pair extraction and HPLC for the determination of the biogenic amines and their major metabolites in single brain tissue samples 51
Short-chain fatty acids
HPLC analysis of serum short-chain fatty acids by direct derivatization 33
Somatomedins
Application of preparative reversed-phase HPLC to the isolation of insulin-like growth factor II from human serum 61
Sotalol
LC determination of sotalol in plasma and

urine employing solid-phase extraction and fluorescence detection 309

Steroids
Highly sensitive and simple determination of cholesterol and cholestanol in human serum by HPLC with fluorescence detection 43

Steroids
Improved method for the determination of the major neutral steroids and unconjugated bile acids in human faeces using capillary GC 21

Steroids
Simultaneous quantification of natural glucocorticoids and progestins in serum 123

Teicoplanin
Determination of teicoplanin in human plasma and urine by affinity and reversed-phase HPLC 99

Temazepam
Determination of diazepam and its metabolites by HPLC and TLC 291

Tertatolol
Simultaneous quantitative determination of tertatolol and its hydroxylated metabolite in human plasma and urine by GC–MS 360

Δ^9-Tetrahydrocannabinol
Determination of Δ^9-tetrahydrocannabinol in human blood and saliva by HPLC with amperometric detection 91

Tiaprofenic acid
Determination of 5-(2-benzoyl-2-thienyl)propionic acid (tiaprofenic acid) in the plasma of elderly patients with multiple diseases using HPLC 206

Tocopherols
Simultaneous measurement of tocopherols and tocopheryl quinones in tissue fractions using HPLC with redox-cycling electrochemical detection 71

Tocopheryl quinones
Simultaneous measurement of tocopherols and tocopheryl quinones in tissue fractions using HPLC with redox-cycling electrochemical detection 71

Trimethyllysine
Analysis of methylated amino acids by HPLC: methylation of myelin basic protein 130

Tripelennamine
Applications of column-switching techniques in biopharmaceutical analysis. II. HPLC determination of tripelennamine in bovine plasma and milk 216

Tyrosine-containing peptides
On-line post-column fluorescence detection for N-terminal tyrosine-containing peptides in HPLC 245

Vanillylmandelic acid
LC determination of vanillylmandelic acid and homovanillic acid by a column-switching technique involving direct injection of urine 111

Vecuronium
Assay of vecuronium in plasma using solid-phase extraction, HPLC and post-column ion-pair extraction with fluorimetric detection 327

Very-low-density lipoproteins
Single-stage evaluation of serum lipoproteins by gel permeation using a specific fluorescent lipid probe 136

Vitamin E
Simultaneous measurement of tocopherols and tocopheryl quinones in tissue fractions using HPLC with redox-cycling electrochemical detection 71

2,6-Xylidine
In vivo metabolism of lidocaine in the rat. Isolation of urinary metabolites as pentafluorobenzoyl derivatives and their identification by combined GC–MS 267